

Title (en)
CONFORMAL COMPOSITE MOLDING

Publication
EP 0491650 A3 19920902 (EN)

Application
EP 91630114 A 19911219

Priority
US 62990990 A 19901219

Abstract (en)
[origin: EP0491650A2] An apparatus and method for resin transfer molding high strength fiber reinforced composite articles, especially those articles which by design would become locked onto the mold after cure. A compliant and variably rigid mold half locates internal details, facilitates loading of material into smaller cavities, and is forgiving of bulk variations in the lay-up. The compliant mold half can be made rigid or flexible by pressure transmitted through a flowable media. After the article is molded and cured, the compliant mold half is collapsed for easy removal of the article.
<IMAGE>

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IPC 8 full level
B29C 33/38 (2006.01); **B29C 33/50** (2006.01); **B29C 43/10** (2006.01); **B29C 43/42** (2006.01); **B29C 43/50** (2006.01); **B29C 70/44** (2006.01); **B29C 70/48** (2006.01); **B29C 43/12** (2006.01); **B29K 105/06** (2006.01)

CPC (source: EP)
B29C 33/202 (2013.01); **B29C 33/505** (2013.01); **B29C 43/10** (2013.01); **B29C 43/42** (2013.01); **B29C 43/50** (2013.01); **B29C 70/443** (2013.01); **B29C 70/48** (2013.01); **B29C 43/12** (2013.01)

Citation (search report)
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• [Y] FR 1012578 A 19520715
• [A] US 3479666 A 19691125 - WEBB DANIEL D
• [AD] EP 0319449 A2 19890607 - UNITED TECHNOLOGIES CORP [US]
• [AD] EP 0233134 A1 19870819 - UNITED TECHNOLOGIES CORP [US]
• [A] US 3764641 A 19731009 - ASH A
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